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10 5000 R		:ODM	Application No.	10/750,234
& TRADE TRANS	MITTAL F	ORM	Filing Date	December 31, 2003
(to be used for all c	orrespondence a	fter initial filing)	First Named Inventor	Ven R. Holalkere
			Art Unit	2826
			Examiner Name	Tuan N. Quach
Total Number of Pa	iges in This Submis	sion	Attorney Docket Number	42P17648
	ENCLO	SURES (chec	k all that apply)	
Fee Transmittal F	orm	Drawing(s)		After Allowance Communic to TC
Fee Attach	ed	Licensing-	related Papers	Appeal Communication to E of Appeals and Interference
Amendment / Res	sponse	Petition		Appeal Communication to T (Appeal Notice, Brief, Reply Brief)
After Final Affidavits/d	eclaration(s)	Petition to Provisional	Convert a Application	Proprietary Information
Extension of Time	e Request	Power of Attorney, Revocation Change of Correspondence Address		Status Letter
Express Abandon	ment Request	Terminal Disclaimer		Other Enclosure(s) (please identify below):
Information Disclo		Request fo		-Check for \$180.00 -2 cited references
<del></del> -		CD, Number of CD(s)  Landscape Table on CD		-Return postcard
Certified Copy of Document(s)		Lands	cape Table on CD	
Declara	Filing Fee ation/POA	Remarks		.1
Response to Parts under 1.52 or 1.53	to Missing r 37 CFR 3			
	SIGNATUR	RE OF APPLICA	NT, ATTORNEY, OR A	GENT
Firm or	Paul A. Mendo	onsa, Reg. No.	42,879	
Individual name BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP				
Signature Hull Mandanne				
Date March 8, 2006				

Typed or printed name | Katherine Jennings Based on PTO/SB/21 (09-04) as modified by Blakely, Solokon, Taylor & Zafman (M) 11/30/2005. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Date March 8, 2006

MAR 1 0 2006

## TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known			
Application Number	10/750,234		
Filing Date	December 31, 2003		
First Named Inventor	Ven R. Holalkere		
Examiner Name	Tuan N. Quach		
Art Unit	2826		
Attorney Docket No.	42P17648		

METHO	OF PAY	MENT (c	heck all	that apply)				
Check [	Credit ca	ard 🔲 M	oney Or	der None Other (please identify):				
Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP								
☐ Cha <b>⊠</b> Cha	For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)  Charge fee(s) indicated below  Charge any additional fee(s) or underpayment of fee(s)  Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.							
FEE CALCU	LATION				-			
Large Er	ntity	Small	Entity					
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid			
1051	130	2051	65	Surcharge - late filing fee or oath				
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.				
2053	130	2053	130	Non-English specification				
1251	120	2251	60	Extension for reply within first month				
1252	450	2252	225	Extension for reply within second month				
1253	1,020	2253	510	Extension for reply within third month				
1254	1,590	2254	795	Extension for reply within fourth month				
1255	2,160	2255	1,080	Extension for reply within fifth month				
1401	500	2401	250	Notice of Appeal				
1402		2402		Filing a brief in support of an appeal				
1403		2403		Request for oral hearing				
1451		2451		Petition to institute a public use proceeding				
1460		2460		Petitions to the Commissioner				
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)				
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00			
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.129(a))				
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	)			
Other f	ee (spe	cify)	***************************************					
				SUBTOTAL (2)	180.00			

SUBMITTED B	Y			Comp	lete (if applicable)
Name (Print/Type)	Paul A. Mendonsa	Registration No. (Attorney/Agent)	42,879	Telephone	(503) 439-8778
Signature	Would What	enot-		Date	03/08/06

Based on PTO/SB/17 (12-04) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 12/15/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Docket No.: 42P17648

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

if Re the Application of:

VEN R. HOLALKERE, ET AL.

Application No.: 10/750,234

Filed: December 31, 2003

For: INTEGRATED STACKED MICROCHANNEL HEAT

**EXCHANGER AND HEAT SPREADER** 

Art Group: 2826

Examiner: Tuan N. Quach

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). This IDS and IDS Citation Form are being submitted before the mailing of a final Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

03/13/2006 EHAILE1 00000013 10750234

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180.00 OP

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Resp	ectfully	submitted,

BLAKELY, SpKOLOFF, TAYLOR & ZAFMAN LLP

Paul A. Mendonsa, Reg. No. 42,879

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (503) 439-8778

Date: March 08, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

03-08-06

Date

MAR 1 0 2006 15

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

2

Sheet 1 of

Complete if Known				
Application Number	10/750,234			
Filing Date	December 31, 2003			
First Named Inventor	Ven R. Holalkere			
Art Unit	2826			
Examiner Name	Tuan N. Quach			
Attorney Docket Number	42P17648			

			U.S. PATE	ENT DOCUMENTS	-
Examiner Initials*	Cite No.'	Document Number  Number - Kind Code² (if known)	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,504,721 B1	01-07-2003	Watwe et al	
	2	US-6,565,386 B1	05-20-2003	Yoneyama et al	
	3	US-6,639,799 B2	10-28-2003	Prasher et al	
	4	US-6,661,660 B2	12-09-2003	Prasher et al	•
	5	US-6,992,381 B2	01-31-2006	Kim et al	
	6	US-6,981,849 B2	01-03-2006	Kim et al	
	7	US-6,785,134 B2	08-31-2004	Maveety et al	
	8	US-6,903,929 B2	06-07-2005	Prasher et al	
	9	US-2004/0266063 A1	12-30-2004	Montgomery et al	
	10	US-2004/0190253 A1	09-30-2004	Prasher et al	
	11	US-6,934,154 B2	08-23-2005	Prasher et al	
	12	US-6,906,919 B2	06-14-2005	Pokharna et al	
	13	US-2005/012268 A1	06-09-2005	Chang et al	
	14	US-6,992,382 B2	01-31-2006	Chrysler et al	
	15	US-2005/0169831 A1	08-04-2005	Montgomery et al	'
	16	US-2005/0128702 A1	06-16-2005	Mongia et al	
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	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,		
Initials*	No.¹	Country Code - Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
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Examiner	Date	
Signature	Considered	

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional)!See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04?Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. Ykind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possibfApplicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

Substitute for form 1449A/PTO				Co	Complete if Known		
INEOE	I MOITANSC	DISCL OS	HDE	Application Number	10/750,234		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			OKE	Filing Date	December 31, 2003		
			ANT	First Named Inventor	Ven R. Holalkere		
				Art Unit	2826		
1		<del>- 1  </del>		Examiner Name	Tuan N. Quach		
Sheet         2         of         2	Attorney Docket Number	42P17648					

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	17	CHOI et al: Effects of Temperatures on Microstructures and Bonding Strenghts of Si-Si Bonding Using Bisbenzocyclobutene; Science Direct at www.sciencedirect.com; 2003; 5 pages	
	18	WEI et al: Optimization Study of Stacked Micro-Channel Heat Sinks for Micro-Electronic Cooling; IEEE Transactions on Components and Packaging Technologies, Vol. 26, No. 1, March 2003; pages 55-61	
- Annual Printer Black State of Wild			

Examiner	Date
Signature	Considered

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&#</sup>x27;Applicant's unique citation designation number.'Applicant is to place a check mark here if English language Translation is attached.